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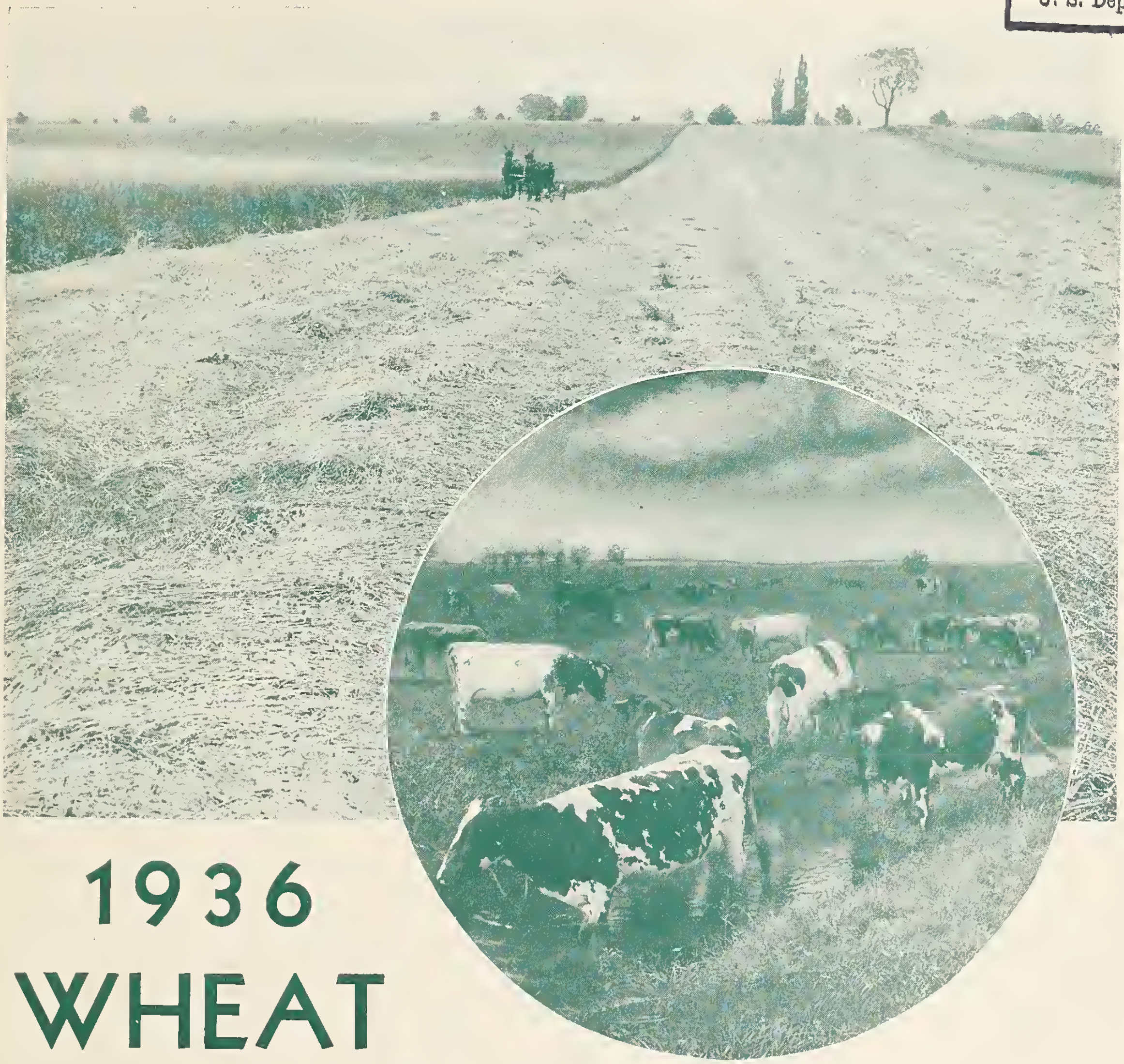

1936 WHEAT GRASSES CLOVERS

for Fall Sowing

PETER HENDERSON & CO.

35 CORTLANDT STREET, NEW YORK, N. Y.

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Leap's Prolific Wheat

Winter Seed Wheat - Winter Seed Rye

PEDIGREE STRAINS—CLOSELY GRADED, FREE FROM CHEAT, SMUT, GARLIC OR COCKLE

LANCASTER-FULCASTER (Bearded)

Lancaster-Fulcaster represents the development of many years of careful selection of the old variety Fulcaster, which over a long period of years held first place as a big yielding wheat.

It is a reliable yielder, year after year. In years when all conditions are against successful crops, this variety makes good average yields in spite of adverse conditions. Farmers who have not been successful in raising even fair crops of wheat on rather thin soils, should grow this variety, and produce a satisfactory crop of straw and a surprising crop of grain.

The grain is of the finest quality, a genuine Longberry, dark red and hard and even on poor soils the grain will be of full size. There is no wheat grown that is better liked by millers.

Its extreme hardiness will carry it safely through severe winters and its vigorous constitution withstands attacks of insect pests and diseases.

In the Pennsylvania State College Experimental Station's four years' tests of seventeen varieties of wheat, Lancaster-Fulcaster led all bearded sorts, yielding on an average of 33.8 bushels per acre for the four years. Sow 1½ bushels per acre.

Price, peck 1.00; bushel of 60 lbs., $3.25; 10-bushel lots, $3.15 per bushel.

LEAP'S PROLIFIC (Beardless)

Leap's Prolific Wheat was originated about ten years ago in the Shenandoah Valley of Virginia. Since then over one hundred thousand bushels have been distributed among the wheat growers throughout the Eastern States. It has gained great popularity since its introduction. Reports from various parts of the country give yields averaging from 35 to 40 bushels to the acre. These yields were produced not on small sample trials, but on large acreages. It is extremely hardy, having survived and produced a perfect crop after the fields were covered with ice during the winter.

It roots deeply and stools vigorously. It ripens early, with grain and straw maturing at the same time. The heads are beardless, glistening white in color, compactly built, filled with heavy, plump, grains from base to tip, well enclosed, thereby protecting them from unfavorable weather conditions and also preventing self-shelling when cutting.

The grain is large, dark red of the Longberry type. The straw is long, stiff and very uniform, yielding a large tonnage to the acre. It is particularly desirable for its milling qualities. 1½ bushels are required to sow an acre. (*See engraving.*)

Price, peck 1.00; bushel of 60 lbs., $3.25; 10-bushel lots, $3.15 per bushel.

RURAL NEW YORKER NO. 6 (Beardless)

This beardless variety is a hybrid between Rye and Armstrong Wheat, though all traces of Rye have disappeared and it now appears a handsome, beardless Wheat. **It succeeds and produces heavy crops on poor, thin land, and it also has extreme hardiness to recommend it.** The gold-colored straw is very thick and strong, easily supporting the heavy grain without breaking. The large amber kernels are placed four to a breast, eight breasts to a side, with long symmetrical heads having a brown chaff. One of our growers says: "It stools as strong as any wheat I ever saw. It had a vigorous, healthy growth all the season, and stood well without lodging. It is very hardy." Sow 1½ bushels per acre.

Price, peck 1.00; bushel of 60 lbs., $3.25; 10-bushel lots, $3.15 per bushel.

ROSEN RYE

A New Large Yielding Rye That Thrives Well On All Soils

This remarkable Rye is extremely hardy due to its Russian origin. Rosen Rye was brought to its present high state of development at the Michigan Agricultural College, where it has proven superior to all other sorts in growth and productivity.

While the average yield for rye throughout the United States is only 15 bushels to the acre, Rosen Rye has yielded up to 40 bushels to the acre. The plant is extremely vigorous, producing a luxuriant stiff straw from large stools. On account of its vigorous stooling habit only one bushel will be required to sow an acre.

The grain is extremely attractive, plump, and heavy.

One of the principal merits of this valuable grain, is that it thrives equally as well on light soils as it does on heavy soils. It has proved to be a dependable sort by producing large crops in unfavorable seasons. Sow 1½ bushels per acre. (*See engraving.*)

Price, quart 25c.; peck 80c.; bushel of 56 lbs., $2.50; 10-bushel lots, $2.40 per bushel.

GIANT WINTER RYE

A remarkably heavy cropping Rye, having in fair tests out-yielded many other varieties both in straw and grain. The straw is of uniform length, strong and of extraordinary stiffness.

Price, quart 25c.; peck 80c.; bushel of 56 lbs. $2.50; 10-bushel lots, $2.40 per bushel.

WINTER RYE

The variety most commonly cultivated, whether sown for grain, straw or cutting green.

Price, quart 25c.; peck 80c.; bushel of 56 lbs. $2.50; 10-bushel lots, $2.40 per bushel.

Rosen Rye

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

ORDER SHEET FOR FARM SEEDS

Peter Henderson & Co.

35 Cortlandt Street, New York, N. Y.

Recorded
and entered for the following Catalogues; E. for G. and

SEND BY..
State if wanted by Express; Freight or Steamer.

To (Name) ....

P. O. Box, Street
or Rural Del'ry ....

Post Office..

County ....; State ....

Station or Exp. Office ....
(Only if different from P. O.)

Superintendent or Farm Manager..
(That we may register for Catalogues.)

Date.............................., 1936

AMOUNT ENCLOSED.

$ ....
(State whether Cash, Draft, Check or P. O. Order.)

(If goods are wanted by Express, C.O.D., 25 per cent. of the amount must accompany the order.)

NOTE.—If cash or stamps are sent by mail
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Please send 3c. stamps.

The Purchaser Pays Transportation Charges on Farm Seeds Except Where Noted.

ALL FARMERS AND GARDENERS OF EXPERIENCE know that success—depends largely on weather conditions and proper cultivation, so in accordance with the universal custom of the seed trade PETER HENDERSON & CO. gives no warranty, express or implied, as to description, quality, productiveness, or any other matter of any Seeds, Bulbs, Roots or Plants they send out, and they will not be in any way responsible for the crop.

QUANTITY	ARTICLES	PRICE	
	Amount carried forward,		

QUANTITY	ARTICLES	PRICE	
	Amount brought forward.		
☞ In Ordering, Please Use This Order Sheet.	Total amount of order,		

(PLEASE DO NOT WRITE IN THIS SPACE.)

Route shipped by.., *Date shipped*................................1936

In.......*Pkgs.;*........*Bundles;*........*Boxes;*..........*Crates;*..........*Baskets;*..........*Bbls.;*..........*Bags.*

The following articles will be sent later..

Laid out by....................; *Checked by*....................; *Reply required by*..................................

Henderson's Special Grass Mixtures for Hay and Pasture

Produce Wonderful Hay Crops and Luxuriant Pasture Lasting Many Years

HAY AND PERMANENT PASTURE

Special Grass Seed Mixture

This mixture is made up of native and acclimated foreign Grasses thoroughly blended, and improved upon during trials under widely varied conditions, soils and localities for several years until practically perfect, our aim being to produce, under the extremes of the American climate, a Permanent dense and deep-rooting turf that would yield year after year the maximum quantity of foliage. These Grasses are of superior quality, inviting, sweet and nourishing, whether used as hay or pasture.

In preparing these Mixtures the greatest care is exercised in selecting such varieties as are suited to the soil to be sown and are likely to realize the object in view. Therefore a description of the soil whether Light, Medium or Heavy, and climate, and if with or without a grain crop, should accompany each order. (*See illustration.*) Sow 40 lbs. per acre.

Price, lb. 50c.; 10 lbs. $4.00; 25 lbs. $8.75; 100 lbs. $30.00; transportation paid.

PERMANENT PASTURE

Special Grass Seed Mixture

There is no more important part of a farm than a good pasture, and that can only be obtained by the use of the proper Grasses, varieties that have different root formations and different habits and season of growth, in order to maintain a rich, close turf throughout the entire season. Timothy should never be used for pasture because it will *not* stand trampling, and soon runs out when heavily pastured and at best is short-lived, as compared with the permanent Grasses used in our Special Mixtures. These Mixtures contain over a dozen of the best permanent Grasses, both American-grown and imported. All are permanent, and when once established will last indefinitely, if the fertility of the soil is kept up by occasional top-dressing. Sow 40 lbs. per acre.

Price, lb. 50c.; 10 lbs. $4.00; 25 lbs. $8.75; 100 lbs. $30.00; transportation paid.

PERMANENT HAY

Special Grass Seed Mixture

Supplies a Good Crop of Hay in Dry Seasons When Ordinary Hayfields are Burned Up

Although the most widely cultivated Hay Grass in the United States is Timothy, or a mixture of Timothy and Clover, and while they answer the purposes admirably on farms where the soil is suitable and where the usual three and four years' rotation is carried on, yet there are many other Grasses which will yield more profitable returns.

An acre of Henderson's Special Grass Mixture for Permanent Hay will yield double the quantity of an acre of Timothy and Clover, and the farmer whose land is sown with a proper mixture of Permanent Grasses, requiring only an occasional top-dressing of manure or fertilizer to maintain heavy cropping qualities for twenty years or more, avoids the expense of the yearly plowing, and cultivating necessary in rotation cropping. Sow 40 lbs. per acre.

Price, lb. 50c.; 10 lbs. $4.00; 25 lbs. $8.75; 100 lbs. $30.00; transportation paid.

WOODLAND PASTURES

Special Grass Seed Mixture

Is composed of a selection of Grasses which will thrive under trees. Orchard Grass is one of the best Grasses for the purpose, but this mixture is much superior, as it will make a closer and more even pasture than Orchard Grass alone. Sow 40 lbs. per acre.

Price, lb. 60c.; 10 lbs. $5.50; 25 lbs. $11.00; 100 lbs. $40.00; transportation paid.

RENOVATING MIXTURE

For Impoverished Grass Lands

Sow the grass seed at rate of 40 lbs. to an acre.

Price, lb. 50c.; 10 lbs. $4.00; 25 lbs. $8.75; 100 lbs. $30.00; transportation paid.

Full directions for sowing enclosed in every bag. In ordering, state whether for Light Soils, Heavy Soils or Medium.

March 7th, 1935

A much delayed testimony in regard to some grass seed purchased from you forty-four years ago, known as Permanent Pasture. This lot has been in pasture ever since I put in the seed, and is still a No. A-1 pasture, in fact, the best pasture on the farm. It had always been known up to that time, as a hard lot to keep in grass. *Ambrose M. Culver,*
Amenia, N. Y.

Mixed Permanent Clovers

On account of their greater weight, should be sown separately, but at the same time as the Grasses. This Mixed Clover comprises White, Mammoth Perennial or Cow Grass, Alsike, etc. Sow 10 pounds per acre.

Price, purchaser paying transportation, lb. 55c.; 10 lbs., 4.50; 25 lbs., $10.00; 100 lbs., $35.00.

Read Before Ordering—This Catalogue Cancels All Previous Quotations

The Purchaser Pays Transportation Charges on Farm Seeds Except Where Noted. Prices Are Subject to Change Without Notice.

About Forwarding and Remitting.—Remittances should be made either in the form of a *P. O. Money Order, Express Money Order, Bank Draft, Express Purchasing Order or Registered Letter.*

WE MAKE NO CHARGE FOR PACKING, boxes, cases, or barrels. Cloth bags we charge for, viz.: 1 peck, 15c.; ½ bushel, 20c.; 1 bushel, 25c.; 2 bushels, 40c. Burlap bags, 1 peck, 7c.; ½ bushel, 10c.; 1 bushel, 12c.; 2 bushels, 15c.; 4 bushels, 20c.; 6 bushels, 30c.; 8 bushels, 35c. No charge for bags with lawn grass mixtures. Special packing of seeds for foreign shipments, when necessary, in tin-lined cases or double sacks, we charge for at cost.

Accounts.—Parties having no account with us—who order goods without remittance—must furnish satisfactory reference. New York City reference preferred on account of the shorter delay pending investigation.

FARM MANAGERS—We have always on hand applications by competent men for positions as farm and estate managers, men who have been trained in the business and are well posted on agriculture generally, also the raising and care of live stock. We will be very pleased to enter into correspondence with those who require the services of such. We make no charge for this service, either to employer or employee.

ALL GARDENERS OF EXPERIENCE know that success depends largely on weather conditions and proper cultivation, so in accordance with the universal custom of the seed trade PETER HENDERSON & CO., gives no warranty, express or implied, as to description, quality, productiveness, or any other matter, of any Seeds, Bulbs, Roots or Plants they send out, and they will not be in any way responsible for the crop.

Henderson's Superior Recleaned Grasses

For Pasture, Hay, Turf on Golf Courses, Athletic Fields, Etc., Etc.

Cleaned at the source of production, and recleaned in our own warehouses with the most modern seed-cleaning machinery in America. They are then analyzed and tested by us, and verified by check tests at State and Government Stations.

Henderson's Individual Recleaned Grasses are therefore Unequaled for Purity and Germination.

Better turf is obtained in most cases if a mixture of grass seed is sown. We will be glad to make special mixtures when desired in accordance with the purchaser's requirements or after his own formulas. **Transportation Charges Paid.**

AWNLESS BROME GRASS (*Bromus Inermis*). Will produce heavy crops in dry sections and on poor soils when other grasses perish. It is one of the hardiest grasses and succeeds in a wide range of temperature.
Price, lb. 50c.; 10 lbs. $4.50; 25 lbs. $10.00.

BENT, ASTORIANA (*Agrostis Capillaris*). This variety differs from Rhode Island Bent in that it is an underground creeper, usually by rhizomes. It gives a dense, reinforced sod of a pleasing green color and a fine texture. Very desirable for putting greens and lawns.
Price, lb. $1.25; 10 lbs. $11.50; 25 lbs. $25.00.

BENT, COLONIAL (*Agrostis Tenuis*). This grass imported from New Zealand, is identical with Rhode Island Bent. Leaf-blades very narrow and flat; dark green; slightly creeping habit and makes a fine turf for Putting Greens. It succeeds on all well drained soils and will thrive on acid soils.
Price, lb. $1.50; 10 lbs. $14.00; 25 lbs. $32.50.

BENT, CREEPING (*Agrostis Species or South German Mixed Bent*). This is undoubtedly one of the finest grasses for Putting Greens. The distinctive feature of this species is its compact, creeping, rooting stems. The stoloniferous roots form a strong enduring turf which withstands hard usage. Does well on all soils, particularly on light, moist land.
Price, lb. $1.50; 10 lbs. $14.00; 25 lbs. $32.50.

BENT, RHODE ISLAND (*Agrostis Tenuis*). Rhode Island Bent is distinguished from Red Top by its dwarfer habit, shorter and narrow leaves and its peculiar open panicle which does not become closed when mature. Thrives well on acid soils. Rhode Island Bent produces only short stolons or runners; makes a very fine dark green turf. An excellent grass for Putting Greens.
Price, lb. $1.25; 10 lbs. $11.50; 25 lbs. $25.00.

BENT, SEASIDE (*Agrostis Maritima*). This was first identified in Oregon, and has been offered by others under a special trade name. It is a hardy creeping variety forming a close mat-like sward and is very desirable for Putting Greens. Does well in moist situations, making a rapid growth; blades are almost as narrow as true creeping bent. It is a vigorous stoloniferous creeper and the only bent that compares favorably with Creeping or Velvet Bents.
Price, lb. $1.25; 10 lbs. $11.50; 25 lbs. $25.00.

BERMUDA GRASS (*Cynodon Dactylon*). A most valuable grass for the Southern course. It is of dwarf habit with long creeping stems, rooting at the joint and covering the ground with a matting of fine turf. It grows on all types of soils but shows a preference for clay and clay loams, and particularly land that is well limed.
Price, lb. 60c; 10 lbs. $5.00; 25 lbs. $11.00; 100 lbs. $40.00.

BLUE GRASS, CANADA (*Poa Compressa*). A very hardy perennial grass with creeping root-stocks. It grows on the poorest and driest soils—sandy, gravelly, or clayey, standing severe wetness or drought. A useful grass on Fairways and Tees.
Price, lb. 60c; 10 lbs. $5.00; 25 lbs. $11.00; 100 lbs. $40.00.

BLUE GRASS, KENTUCKY (*Poa Pratensis*). It is a true perennial lasting indefinitely and improving every year. Kentucky Blue Grass has creeping underground stems; leaf blades very narrow; color a deep vivid green. It is one of the very best grasses for Fairways in the North and succeeds well on all good soils, especially where lime is used
Price, lb. 60c; 10 lbs. $5.00; 25 lbs. $11.00; 100 lbs. $40.00.

CRESTED DOG'S TAIL (*Cynosurus Cristatus*). Should enter in moderate quantity in pasture and lawn mixtures.
Price, lb. 75c; 10 lbs. $7.00.

FESCUE, CHEWING'S NEW ZEALAND (*Festuca Chewings*). This variety of Red Fescue imported from New Zealand is now recognized as one of the leading grasses for Putting Greens and Fairways. Makes a fine compact turf of a dark green color
Price, lb. 60c; 10 lbs. $5.00; 25 lbs. $12.00; 100 lbs. $45.00.

FESCUE, CREEPING RED (*Festuca rubra North German grown*). This is the true creeping variety thriving well on poor soils, and especially adapted for shaded locations. It forms a dense permanent turf which leaves little room for weeds to come through.
Price, lb. $1.25; 10 lbs. $10.00.

FESCUE, FINE LEAVED SHEEP'S (*Festuca Tenuifolia*). The leaves of this variety are very fine and dark green. It thrives on very dry soils and in the shade.
Price, lb. $1.25; 10 lbs. $10.00.

FESCUE, HARD (*Festuca Duriuscula*). A variety of Sheep's Fescue. Leaves broader, wire-like, not flat. Grows in bunches if sown alone. For the "Rough" where the soil is thin or sandy, it thrives well.
Price, lb. 60c; 10 lbs. $5.00; 25 lbs. $11.00; 100 lbs. $40.00.

FESCUE, MEADOW (*Festuca Pratensis*). This grass is also called English Blue Grass and in the South, Randall's Grass; flat and bright green. Grows to a height of 30 inches when left uncut. For wet soils few grasses are equal to Meadow Fescue.
Price, lb. 35c.; 10 lbs. $3.00; 25 lbs. $6.00; 100 lbs. $20.00.

FESCUE, RED (*Festuca Rubra*). Forms a close and lasting turf of dark green, specially adapted for dry sandy soils. It resists extreme droughts and thrives on inferior soils, gravelly banks and exposed hillsides, also in the shade. It is preferred to the Bents on the sandy type of soil in the Northern States for Putting Greens. Lime need not be used where this grass is desired.
Price, lb. 60c; 10 lbs. $5.00; 25 lbs. $11.00; 100 lbs. $40.00.

FESCUE, SHEEP'S (*Festuca Ovina*). It is a bunch grass, forming dense tufts 3 to 6 inches in diameter with wire-like leaves 2 to 4 inches long of bluish gray. It is an excellent grass to grow on poor sandy soils for Fairways, when mixed with other grasses, as it helps to make a durable sward. Sown alone, it is too bunchy. For the "Rough" on sandy dry soil, it is excellent.
Price, lb. 60c; 10 lbs. $5.00; 25 lbs. $11.00; 100 lbs. $40.00.

FESCUE, VARIOUS LEAVED (*Festuca Heterophylla*). This grass is a native of Europe; the leaves fine and dark green and the plant is of a tufted habit though slightly creeping. It does best on soils rich in humus. Used to a limited extent on Fairways and Tees.
Price, lb. $1.25; 10 lbs. $10.00.

FESCUE, TALL MEADOW (*Festuca Elatior*). Early, nutritive and productive in pastures on wet or clay soils.
Price, lb. 75c; 10 lbs. $7.00.

ORCHARD GRASS (*Dactylis Glomerata*). A valuable Grass in mixtures either for pasture or hay.
Price, lb. 50c; 10 lbs. $4.00; 25 lbs. $8.75; 100 lbs. $30.00.

RED TOP FANCY (*Agrostis Palustris*). It is a perennial grass with a creeping habit of growth, leaf blades narrow. Red Top is a remarkable grass accommodating itself to a variety of soils and conditions. It grows well on wet land. It is strongly drought-resistant and flourishes on soils so very poor in lime that most other grasses fail.
Price, lb. 50c.; 10 lbs. $4.00; 25 lbs. $8.75; 100 lbs. $30.00.

RYE, DOMESTIC. A mixture of Italian and English grown in the United States.
Price, lb. 25c; 10 lbs. $2.25; 25 lbs. $4.50; 100 lbs. $15.00.

RYE GRASS, ENGLISH (*Lolium Perenne*). It grows rapidly and makes a good showing in a month.
Price, lb. 35c; 10 lbs. $3.00; 25 lbs. $6.00; 100 lbs. $22.00.

RYE GRASS, ITALIAN (*Lolium Italicum*). Like Perennial Rye Grass it is a rapid grower and is treated as an annual. It is used largely in the South to sow over the Bermuda sod as soon as it turns brown. Used in this way, it makes an excellent Fairway for the winter.
Price, lb. 30c.; 10 lbs. $2.75; 25 lbs. $5.50; 100 lbs. $20.00.

RYE GRASS, PACEY'S PERENNIAL (*Lolium Perenne Pacey's*). This variety used in a mixture is an excellent "nurse" grass where a quick turf is desired. It produces a verdant growth four or five weeks after sowing. The leaves are narrow, flat and smooth.
Price, lb. 40c.; 10 lbs. $3.50; 25 lbs. $7.50; 100 lbs. $25.00.

ROUGH STALKED MEADOW (*Poa Trivialis*). A spreading, thickly matting, stoloniferous-rooted species; leaf blades narrow, flat, and dark green in color. Forms a fine turf and adapted for shady situation on Fairways under trees. Thrives on moist and stiff clay lands.
Price, lb. 75c.; 10 lbs. $6.00; 25 lbs. $14.00.

SUDAN GRASS (*Sorghum*). A valuable forage plant introduced from Egypt, similar in appearance to Johnson Grass but makes a finer hay. Sow 20 lbs. per acre.
Price, lb. 30c.; 10 lbs. $2.75; 25 lbs. $6.00; 100 lbs. $20.00.

SWEET VERNAL, TRUE PERENNIAL (*Anthoxanthum Odoratum*). Emits an agreeable odor, which it imparts to the hay.
Price, lb. $1.50.

TALL MEADOW OAT (*Avena Elatior*). Of rapid growth, recommended for soiling and hay mixtures.
Price, lb. 75c.; 10 lbs. $6.50.

TIMOTHY (*Phleum Pratense*). The grade we offer is choice, free from weed seeds and of high germinating power.
Price, lb. 30c.; 10 lbs. $2.25; 25 lbs. $4.00; 100 lbs. $12.00.

WOOD MEADOW GRASS (*Poa Nemoralis*). This grass is adapted for moist shady places and should be included in mixtures for shady places.
Price, lb. $1.50; 10 lbs. $14.00.

YARROW (*Achillea Millefolium*). Used to a great extent on Tees. It is a deep-rooting perennial and withstands drought. Sow alone, or with grass mixtures.
Price, lb. $2.00.

We Pay Transportation Charges on All Grass Seeds by Express or Freight at Our Option.

CLOVERS

Henderson's Medium Red Clover

(Trifolium Pratense)

DOMESTIC GROWN

Common or Medium Clover, June Clover

Red Clover according to locality is a biennial or short-lived perennial. It grows one to two feet in height and usually makes two crops a year, yielding two to three tons of cured hay per acre. Clover hay is very nutritious; all stock fed on it require less grain; chopped and steamed it is a good substitute for green food for poultry during the winter. As pasturage all animals thrive on it, particularly cattle, sheep and pigs, and as a green manuring and soiling crop it is very valuable, adding humus and nitrogen to the soil. In Northern States Red Clover seed is usually sown in the spring; the earlier the better. If grown alone, use 12 to 14 pounds of seed per acre if broadcasted and cover not over half an inch deep. Red Clover may be seeded with a number of different grasses as Timothy, Orchard Grass or Tall Oat Grass, but usually it is grown with Timothy, 8 to 10 pounds of Clover and half a bushel of Timothy seed being sown per acre. A very satisfactory combination is 5 pounds of Red Clover, 5 pounds of Alsike Clover, 20 pounds of Timothy and 5 pounds of Fancy Red Top per acre. This makes a fine quality of merchantable hay and the field does not run out so soon as Clover and Timothy alone. *(See engraving.)*

Price, lb. 55c.; 10 lbs. $5.00; 25 lbs. $10.00; 100 lbs. $38.00.

Mammoth or PEA VINE RED Clover *(Trifolium Pratense perenne)*

DOMESTIC GROWN

Perennial. Time of flowering, July. Height, 2 to 3 feet.

Quite distinct from the common Red Clover, being of larger and coarser growth and valuable for purposes for which the latter is entirely unsuited It lasts longer and is two or three weeks later than common Red Clover. Of very robust growth, yielding enormous bulk valuable for reclaiming exhausted lands. Sow (if alone) about 12 lbs. per acre. Henderson's Superior Sample (extra recleaned).

Price, lb. 60c.; 10 lbs. $5.00; 25 lbs. $11.50; 100 lbs. $40.00.

SWEDISH CLOVER Alsike or Hybrid Clover *(Trifolium Hybridum)*

Perennial. Time of flowering, July and August. Alsike or Swedish Clover is a hybrid intermediate in growth and appearance between Red and White Clovers. The blossoms are pinkish white. It is a perennial and one of the hardiest of all Clovers, thriving particularly well in cool and cold climates and stands freezing well, but also adapts itself to most climates where Clovers grow, and will grow in moister soil than Red Clover, in fact, has produced splendid crops under irrigation. The plants attain a height of one to two feet; stems and leaves, though smaller than those of Red Clover, are much more numerous, making hay of fine texture.

Alsike frequently produces good crops on soils on which Red Clover will not grow. We strongly advise farmers to add 2 or 3 lbs. per acre to their usual seeding of Red Clover and Timothy. Sow (if alone) 8 lbs. per acre. *(See engraving.)*

Price, lb. 60c.; 10 lbs. $5.00; 25 lbs. $11.50; 100 lbs. $40.00.

Henderson's Superior Recleaned Crimson or Scarlet Clover *(Trifolium Incarnatum)*

Plowing under a good crop of Scarlet Clover is equivalent to 20 tons of stable manure per acre and even if the Clover be harvested or pastured, the benefits derived from the wonderful nitrogeneous root formation will alone many times repay the cost of seed and labor.

Crimson Clover cut when coming into bloom makes hay richer in protein than Red Clover, and the yield on average soils is two to three tons per acre. It is especially adapted for green forage and silage and is much relished by dairy stocks. Cut green before flowers mature.

Crimson Clover should not be fed after the flowers mature for the hairs of the calyx are apt to form "hair balls" in the stomachs of animals.

Sow at the rate of 15 pounds of seed per acre, either broadcast or drilled. Cover lightly with a harrow. If sown too early, especially in Southern States, it is apt to mature and form seeds the same season without making full growth. In the latitude of New York City sow in July, and in the South as late as October. Time of flowering is June; height 2 feet.

Price, lb. 35c.; 10 lbs. $3.00; 25 lbs. $6.00; 100 lbs. $20.00.

White Bokhara Clover (SWEET CLOVER) *(Melilotus alba)*

Biennial. Time of flowering, June to September. Height, 3 to 5 feet.

A perennial leguminous plant of tall, shrub-like growth, occasionally grown as a forage plant, and often for bees; the numerous small white flowers possess a sweet, honey-like fragrance. The importance of Bokhara Clover, however, is its value for plowing under for green manuring, particularly to prepare poor soils where it is difficult to get other crops to grow. Sow 10 lbs. per acre.

Price, lb. 35c.; 10 lbs. $3.00; 25 lbs. $6.00; 100 lbs. $20.00.

Korean Lespedeza

An annual leguminous plant considerably grown, particularly in the South, as a summer pasture, green forage and hay crop. It also has much value as a soil enricher when plowed under as green manure. It will flourish on poor and exhausted soils, too poor to produce profitable crops of any other forage plant. Sow 14 lbs. per acre.

Price, lb. 40c.; 10 lbs. $3.50; 25 lbs. $7.50; 100 lbs. $25.00.

DUTCH or HONEYSUCKLE White Clover *(Trifolium repens)*

Perennial. Time of flowering May to Sept. Height 6 in. (creeping).

White Clover is a valuable addition to mixtures for permanent pastures, as it furnishes considerable plant food to the other Grasses composing such mixtures. Sow (if alone) 8 lbs. per acre.

Price, lb. 75c.; 10 lbs. $7.00; 25 lbs. $16.25; 100 lbs. $60.00.

Wild White Clover

A dwarf-growing clover which should be added to pasture, helps the grasses by adding nitrogen to the soil, thrives on all soils and is relished by cattle.

Price, lb. $3.00.

GRIMM ALFALFA

The Hardiest Alfalfa Known

DOMESTIC GROWN

The attention of the Minnesota experiment station was called to this Alfalfa in 1901, and by careful experimentation Grimm Alfalfa was found to be far superior to common kinds in withstanding unfavorable winters. This strain of Alfalfa seed not only endures extremely low temperature, but it can be cut with greater safety in the fall, and will bear more abuse in the way of pasturage than any other forage plant. Grimm Alfalfa has larger crowns, and a more spreading root system than the ordinary Alfalfa. It is also claimed that it will yield from ten to fifteen per cent more than any other variety, and will start and thrive in undrained wet locations, where the ordinary sort was tried unsuccessfully. One of the characteristics of the Grimm Alfalfa is that some of the plants produce peculiar greenish-yellow flowers. Sow 30 lbs. per acre.

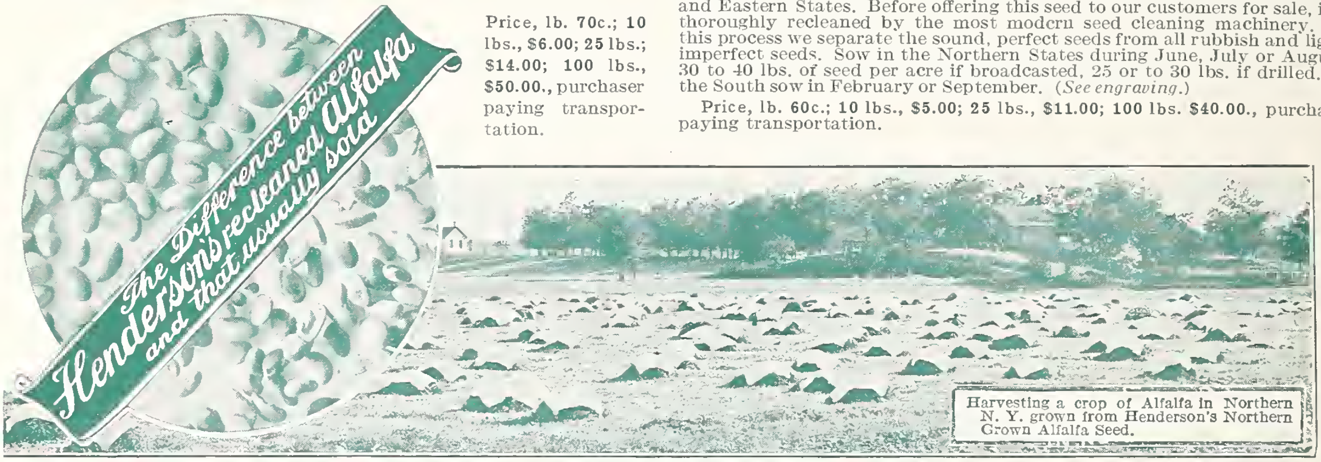
Price, lb. 70c.; 10 lbs., $6.00; 25 lbs.; $14.00; 100 lbs., $50.00., purchaser paying transportation.

HENDERSONS' RECLEANED NORTHERN GROWN ALFALFA *(Medicago sativa)*

DOMESTIC GROWN

A Clover-like leguminous plant of great importance as a hay and forage crop, nutritious and rich in protein elements. It grows 2 to 5 feet high and sends roots, 5, 10, 20, and sometimes 30 feet into the subsoil. It needs one season to become established, after which it yields enormous crops annually for many years. 3 or 4 cuttings per season, aggregating 4 to 6 tons cured hay per acre, are harvested, according to conditions and locality. It does well on all good, rich soils (except heavy clay), if well drained, or overlying a permeable subsoil; on calcareous soil it thrives especially well. Alfalfa is one of the best cover crops for orchards. Our strain of seed is grown in far Northern regions, where plants have to endure extreme cold and still thrive in those high altitudes. Our experience—and that of our customers—has shown that such seed is undoubtedly the best for the North and Eastern States. Before offering this seed to our customers for sale, it is thoroughly recleaned by the most modern seed cleaning machinery. By this process we separate the sound, perfect seeds from all rubbish and light, imperfect seeds. Sow in the Northern States during June, July or August. 30 to 40 lbs. of seed per acre if broadcasted, 25 or to 30 lbs. if drilled. In the South sow in February or September. *(See engraving.)*

Price, lb. 60c.; 10 lbs., $5.00; 25 lbs., $11.00; 100 lbs. $40.00., purchaser paying transportation.



Harvesting a crop of Alfalfa in Northern N. Y. grown from Henderson's Northern Grown Alfalfa Seed.

VETCH, SAND or WINTER *(Vicia villosa)*

The Best Legume for Sandy Soils

It is the earliest crop for cutting, and a full crop can be taken off the land in time for planting spring crops. Being much hardier than Scarlet Clover, this is the forage plant to sow in the Northern States, where Scarlet Clover winter kills, though it is equally valuable in the South.

Although Sand Vetch succeeds on poor, shady soils, it is, naturally, more vigorous on better land. Under such conditions the plant produces numerous branches 3 to 6 feet long. Sand Vetch is hardy all over the United States, and in most places remains green all winter. The crop may be seeded, either from the middle of August to the middle of September, or in the spring from the middle of April to the middle of May.

Sown in the fall it should be mixed with Mammoth Red Clover or Rye to serve as a support for the vines, thus keeping the forage off the ground.

If sown in the spring it may be mixed with Oats or Barley. Fall sown crops furnish some forage before winter comes, and as growth starts very early in the spring it can be pastured, cut for hay, or turned under to renovate the soil.

The foremost orchardists highly recommend Sand Vetch as a cover crop. Soluble plant food in porous soils leaches away in considerable amounts during the late fall and early spring, when the roots of trees are not actively foraging for it. Owing to the fact that it grows late in the fall, and to its ability to live over winter, Sand Vetch is certainly the best cover crop for orchards. *(See engraving.)*

Sow 50 lbs. per acre, with one-half bushel of Rye or Wheat.

Price, lb., 40c.; 10 lbs., $3.00; 50 lbs., $12.50; 100 lbs., $22.00.

TRUE DWARF ESSEX RAPE

Sow in the North From April to End of August and in the South During September and October

In the United States we have millions of acres of land that annually lie idle or run to weeds the latter part of the season, after the grain, potato and hay crops have been harvested, a large portion of which might be made to produce one of the finest feeds imaginable, and in the greatest abundance, at a time when cattle, sheep and hogs are roaming through bare pastures in search of a scanty living. Under favorable conditions Rape is ready for pasturing sheep or cattle within six weeks from time of sowing, and on an average one acre will carry twelve to fifteen sheep six weeks to two months. When on the Rape they should at all times have access to salt; but water is not necessary. There are several varieties of Rape, but care should be taken to procure the **DWARF ESSEX, or English**, as it is sometimes called, which does not seed the same season as sown, unless in some exceptional cases, as when sown too early and the young plant is touched by frost. In northern States it should be sown from April to end of August for fall pasturing, but as it thrives best in cool weather, it should not be sown in the Southern States until September or October for winter pasture. In the latitude of New York it should be sown in April, or in July or August. Its fattening properties are probably twice as good as those of Clover, and for sheep the feeding value of Rape excels all other plants we know of. To secure the best results, the Rape should be sown in drills. Sow 4 lbs. per acre broadcast, 2 to 3 lbs. per acre in drills.

Price, lb., 35c.; 10 lbs., $3.00; 25 lbs., $6.25; 100 lbs., $20.00.

The Purchaser Pays Transportation Charges on Farm Seeds Except Where Noted.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

The Early Autumn Is an Ideal Time for Sowing Lawn Grasses

Henderson's Lawn Grass Seed Mixtures

THERE IS A HENDERSON LAWN GRASS SEED MIXTURE FOR EVERY PURPOSE

SHADY NOOK

Lawn Grass Seed for shady places. **Price, ½ lb., 40c.; lb., 70c.; 3 lbs., $2.00; 5 lbs., $3.25; 10 lbs., $6.00; 20 lbs., $11.50; 100 lbs., $55.00,** transportation paid.

SUNNY SOUTH

Lawn Grass Seed for Southern States. **Price, ½ lb., 30c.; lb., 50c.; 3 lbs. $1.45; 5 lbs., $2.35; 10 lbs. $4.50; 20 lbs., $8.50; 100 lbs., $40.00,** transportation paid.

SEA SIDE

Lawn Grass Seed for sandy soil and saline surroundings. **Price, ½ lb., 30c.; lb., 50c.; 3 lbs., $1.45; 5 lbs., $2.35; 10 lbs., $4.50; 20 lbs., $8.50; 100 lbs., $40.00,** transportation paid.

TERRACE SOD

Lawn Grass Seed for terrace and embankments. **Price, ½ lb., 40c.; lb., 70c.; 3 lbs. $2.00; 5 lbs., $3.25; 10 lbs., $6.00; 20 lbs., $11.50; 100 lbs., $55.00,** transportation paid.

TOUGH TURF

Grass Mixture for tennis courts, croquet grounds and bowling greens. **Price, ½ lb., 30c.; lb. 50c.; 3 lbs. $1.45; 5 lbs., $2.35; 10 lbs., $4.50; 20 lbs., $9.00; 100 lbs., $40.00,** transportation paid.

SPECIAL STANDARD FORMULAS

Recommended by The New Jersey State Experiment Station

	1 lb.	5 lbs.	10 lbs.	25 lbs.	100 lbs.
Formula No. 1—with White Clover...	**$0.60**	**$2.85**	**$5.50**	**$13.00**	**$50.00**
Formula No. 1-A—without White Clover	**.60**	**2.85**	**5.50**	**13.00**	**50.00**
Formula No. 2—for Finest Quality Turf.....	**.95**	**4.50**	**8.50**	**20.00**	**75.00**
Formula No. 3—for Shaded Areas........	**.70**	**3.40**	**6.50**	**15.50**	**60.00**
Formula No. 4—for Poor or Sandy Soil........	**.60**	**2.85**	**5.50**	**13.00**	**50.00**

All of the above are delivered transportation paid.

QUANTITY OF SEED REQUIRED FOR LAWNS

Size of Plot	Square Feet	Quantity
10 x 20	200	1 lb.
20 x 50	1,000	5 lbs.
20 x 100	2,000	10 lbs.
40 x 100	4,000	20 lbs.
200 x 200	40,000	100 to 150 lbs.

Delivered Transportation Paid in the United States

Special "Bent Formula" Lawn Grass Seed Mixture

It Makes Every Lawn Like a Putting Green and Has Aroused Great Enthusiasm Among All Lovers of a Perfect Lawn

On account of the growing popularity of golf in recent years, the question has many times been put to us by our customers, "Why can't I have a lawn that looks like a Putting Green?" Our answer to this was to make up a combination of the finest recleaned grasses, using as a basis for this mixture the imported and domestic Bent Grasses which are so largely used in the finer Putting Greens of today.

We are very pleased to announce that our sales of this mixture have more than trebled since we offered it to our customers, and there seems to be no doubt that again this year there will be another great increase in the demand for this special formula.

A lawn seeded with this mixture and properly cared for will in truth make every lawn a Putting Green. On a lawn of this type, Clock Golf and other lawn games may be enjoyably played.

It is imperative in maintaining a lawn of this type, that the grass should be kept cut short and well rolled all through the season. Starvation of the grass plants is the most frequent cause of unsatisfactory lawns, and grass needs constant small applications of fertilizer and plenty of water to maintain a perfect lawn.

Also, every spring apply a dressing of Henderson's Lawn Enricher. Broadcast this, using ten pounds for each 200 square feet, and water it in thoroughly with a hose.

We advise seeding at the rate of one pound to cover a space of 10 x 20 or 200 square feet. Price, ½ lb., 50c.; lb. 95c.; 5 lbs. $4.50; 10 lbs., $8.50; 25 lbs. $20.00; 100-lb. lots and upward, $75.00 per 100 lbs., transportation paid in the U. S.

Autumn Is the Best Time to Make or Renovate a Lawn

The "HENDERSON" Lawn Grass Seed

Sown in the Autumn, produces Enduring Turf which will withstand Summer Droughts

For a long time we have urged the Fall planting of grass seed, for either making a new lawn, or renovating the old one, and year after year the results have shown the wisdom of following the natural way.

Grass seed planted in the Fall, germinates rapidly, and will attain a strong growth by the time frost comes. Even with the rigorous Northern winters there is very little danger of its being injured by the cold weather; in fact, our advice is not to protect it in any way.

Even before the frost is completely out of the ground, we find that the young grass responds to the first warm days. Weed seeds from the previous Summer will not start until weeks after the Fall-sown grass has become strong and vigorous enough to withstand their more rapid growth; in fact, if it has been planted thickly, the grass will often crowd out the weeds.

Any lawn will be improved by a light sowing of the appropriate Henderson mixture during early September, together with an application of one of the Henderson fertilizers. You will find a list of our various grass mixtures for particular places on Page 7 and whether you are going to make a new lawn, or renovate the old, we strongly urge your doing so at once.

A copy of our pamphlet "How to Make a Lawn" is sent with every package of the Henderson Lawn Grass Seed.

In the latitude of New York, the seed may be sown up to the first of October, farther south later, and farther north up to about September first.

The most valuable and longest lasting improvement to the home grounds, is a properly built lawn sown with The Henderson Lawn Grass Seed. Customers tell us that lawns made a score or more years with our seed are as beautiful today, as they were in their first flush of youth.

The importance of a good lawn is stressed by the high scoring they receive in Metropolitan and National Garden Contests.

AMOUNT OF SEED REQUIRED

Size of Plot	*Square Feet*	*Quantity*
10 x 20	200	1 lb.
20 x 50	1,000	5 lbs.
20 x 100	2,000	10 lbs.
40 x 100	4,000	20 lbs.
200 x 200	40,000	100 to 150 lbs.

For renovating use half these quantities.

Our new booklet "How to Make a Lawn" enclosed in every package, contains full instructions how to make a new lawn or renovate an old one.

Price of the "Henderson" Lawn Grass Seed (Delivered Transportation Paid)

½ lb. 30c.; lb. 50c; 3 lbs. $1.45; 5 lbs. $2.35; 10 lbs. $4.50; 20 lbs. $9.00; 100 lbs. $40.00

White Dutch Clover. An excellent clover for lawns, makes a close compact growth, covering the ground like a carpet. It also prevents the washing out of soil during heavy rains. Thrives well on all soils. Price, ¼ lb., 25c.; ½ lb., 40c.; lb., 75c.; 10 lbs., $7.00; 25 lbs. $16.25.; 100 lbs., $60.00.

We give full instructions for making new lawns or re-seeding old ones in our booklet "How to Make a Lawn." This is enclosed in every package sent out by us.

HENDERSON'S LAWN ENRICHER and Top Dresser

For New and Old Lawns, Athletic Fields, Golf Courses, Etc.
It is Odorless, and Quickly Induces a Luxuriant Green Growth.

The constant mowing of grass and removal of clippings also removes a proportion of digested plant food. Therefore, if the luxuriance of a lawn is to be maintained, it must be top dressed at least once a year with suitable fertilizer. The Henderson Lawn Enricher is a clean, lawn dressing which never fails in inducing a rapid and rich green growth.

For forming a new lawn a 10-lb. package is sufficient to go over an area of 200 square feet, or 1,000 to 1,500 lbs. per acre, or a smaller quantity for renovating an old lawn. Apply broadcast with machine or by hand as evenly as possible on a quiet day and preferably just before rain. If applied during the summer use half of the quantity and water in thoroughly with a hose.

Prices:

5 lbs.	$ .50	50 lbs.	$ 3.00
10 lbs.	.90	100 lbs.	4.50
25 lbs.	1.75	500 lbs.	20.00
		2,000 lbs. (1 ton)	65.00

See Special Notice at foot of page regarding Prepayment.

BONE MEAL Henderson's Medium Fine

Excellent for Top Dressing Lawns

It is for its slow disintegrating and long lasting qualities that Bone Meal is so very desirable for fertilizing all hard wooded plants, including flowering shrubs, fruit bushes, trees, and the like.

As there is absolutely no danger of burning or causing rot in fleshy bulbs, including Tulips, Hyacinths, etc., a liberal application of Bone Meal mixed into the soil before planting them will be amply repaid for by the remarkable size and brilliancy of the flowers obtained.

For Lawns it is a dependable fertilizer, as it contains the essential elements that grass requires. It may be broadcast as a top-dressing at any time either in early spring or during the growing season.

Quantity required. *For lawns, pasture and mowing lands 10 lbs. to 200 square feet or ½ to 1 ton per acre. For trees and vines, 2 to 4 lbs. each. For field and garden crops, ¼ to 1 ton broadcast and harrowed in. For rose beds, pot plants, etc., one part to about fifty of soil.*

Prices:

5 lbs.	$ .50	100 lbs.	$ 4.00
10 lbs.	.90	500 lbs.	17.50
25 lbs.	1.50	1,000 lbs.	30.00
50 lbs.	2.50	2,000 lbs. (1 ton)	60.00

See Special Notice at foot of page regarding Prepayment.

SPECIAL NOTICE.—We prepay transportation charges on Fertilizers by parcel post, express or freight at our option within the first and second zones (150 miles of New York City). Purchasers, beyond these zones, pay transportation charges.